

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C11D 11/00, 17/06, 1/37, 3/12	A1	(11) International Publication Number: WO 97/39100 (43) International Publication Date: 23 October 1997 (23.10.97)
(21) International Application Number: PCT/US97/06484 (22) International Filing Date: 16 April 1997 (16.04.97) (30) Priority Data: 60/015,685 17 April 1996 (17.04.96) US (71) Applicant (for all designated States except US): THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): BOHLEN, David, Scott [US/US]; 9420 Hadley Drive, West Chester, OH 45069 (US). JENSEN, Michael, Chris [US/US]; 3811 Drakewood Drive, Cincinnati, OH 45209 (US). HOLLIHAN, Lester, John [US/US]; 419 Barrs Branch Road, Alexandria, KY 41001 (US). (74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217 (US).		(81) Designated States: BR, CA, CN, JP, MX, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: HIGH DENSITY DETERGENT-MAKING PROCESS USING A HIGH ACTIVE SURFACTANT PASTE HAVING IMPROVED STABILITY (57) Abstract A process for making detergent agglomerates is provided in which a high active surfactant paste and a detergent builder are agglomerated together. The process entails maintaining the high active surfactant paste in a highly stable, pumpable and transportable form over an extended period of time. In this way, the process facilitates multi-locational, large-scale manufacture of modern compact detergent products. In particular, the high active surfactant paste can be manufactured in one facility, and thereafter, stored and transported to a remote facility for further processing into the finished detergent agglomerates.		